

Roman Project News

June 2021

Early Definition Survey Rfi

- Purpose: To solicit input from the community on early definition of one of the General Astrophysics Surveys
 - Is there a compelling case to define a survey early?
 - Narrow down the concept(s) under consideration
- White papers are short (~2 pages)
 - To avoid large burden on the community
- If any Roman Early-Definition Astrophysics Survey concept is selected, then ***full survey specifics and detailed observational strategies would be defined through a future community process.***
 - E.g. location, size, filters, exposure times etc

White paper content (1)

- **Do you support the selection of a Roman Early-Definition Astrophysics Survey** ((as described in the “Request for Information”; yes/no, with supporting motivation, 10 lines max):
- **Describe the science investigations enabled by the survey** (as relevant, briefly describe: key science drivers and breadth of science areas engaged; datasets expected upon survey completion; comparison of science enabled, parameter space opened up, or complementarities with respect to ground/space-based state-of-the-art at time of Roman launch; key differences from, and/or complementarities with, Roman core community surveys; one page max):

White paper content (2)

- **Provide a possible observational outline of the survey** (as relevant/known, touch upon: survey area covered, possible location, and/or (types of) targets observed; optical element (filters/grism/prism) choices; cadence or other timing constraint (if relevant); depth to be achieved; total time needed including estimated overheads; how the survey leverages the unique observational capabilities of Roman; half-a-page max):
- **Describe specific preparatory activities enabled by early definition** (e.g., supporting facility observations, software development work, theoretical/simulation efforts etc.; describe the benefits of conducting these activities early; list any past/planned white papers, community building/engagement activities, working groups, workshops, or cross-project/cross-mission planning relevant to the survey; half-a-page max)